

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. APPLICATION NO. 10/078,392
ATTORNEY DOCKET NO. Q68601

AMENDMENTS TO THE SPECIFICATION

Page 18, please add the following new paragraph after the fifth full paragraph:

In FIG. 7, reference numbers from FIG. 5 are used in consistent fashion. The optical packet node has optical couplers 58, 73, 74 disposed at each end. The outputs from the optical couplers are connected to other OPADMs 59, 60. In the OPADM shown in FIG. 7, a optical packet generator 67 is coupled to a load balancing and memory circuit 66, which, in turn, is coupled to a transmit synchronizer/memory 64. The output of the transmit synchronizer/memory is coupled to a digital information transmitter 62, which is coupled to the optical gates 26. The transmit synchronizer/memory 64 is also coupled to a multi-wavelength source 27 and a digital information receiver 63. The selector 20 is connected to an inverter 61, and the inverter 61 and the photodiode array 23 are controlled by the digital information receiver 63. A receive synchronizer/memory 65 controls the digital information receiver 63, and is also connected to an information extraction resequencer 68. A synchronizer 70 outputs a signal to the transmit synchronizer/memory 64 and the receive synchronizer/memory 65. A management information analysis board 69 is connected to the transmit synchronizer/memory 64. A processor 71 performs header analysis and wavelength assignment and interface 72 is an optical parallel/serial interface.

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Please add the following new paragraph after the paragraph bridging pages 19-20:

In FIG. 8, networks 75, 76, 77 are legacy networks coupled to optical to electrical converters 78, 79, 80, 81, 82, 83, 84. The optical to electrical converters 78, 79, 80, 81, 82, 83, 84 are each connected to OPADMs 85, 86, 87, 99, 89, 91, which are connected to the WDM packet ring. An IP router 92 is connected to OPADMs 86, 87, 88.